

Mr. Alan Brittingham
Arvin Exhaust, OEM, Technical Center
Route 450 South
Walesboro, IN 47201

Re: **SPM 005-12154-00080**
First Significant Permit Modification to
Part 70 005-7482-00080

Dear Mr. Brittingham:

Arvin Exhaust, OEM, Technical Center was issued a permit on January 26, 1999 for a stationary engine test source. A letter requesting the deletion of all references to engine test cell C-11 was received on April 11, 2000. This request was made because this engine test cell was never constructed. In addition, a change in the name of the responsible official has been requested.

Pursuant to the provisions of 326 IAC 2-7-12 a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document. The changes are as follows with deleted language as ~~strikeouts~~ and new language in **bold**.

1. The name of the responsible official has been changed in Condition A.1 as follows:

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a stationary engine test source.

Responsible Official: **Alan Brittingham** ~~James W. Angel~~

2. Condition A.2(a), Section D.1 and Conditions D.1.1(c), D.1.3(c), D.1.5, D.1.7 (a) and (b), D.1.8 as well as the Quarterly Report forms have been revised as follows to delete engine test cell, known as C-11. Condition D.1.2 and the associated Quarterly Report Form have been deleted.

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]
[326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices which do not need to be operated at all times, but only at the source's discretion:

- (a) **One (1)** ~~Two (2)~~ test cells for gasoline engines (with or without catalytic converter) and/or diesel fuel engines, known as C-10 ~~and C-11~~, exhausting to Stacks SC-10 ~~and SC-11~~, installed in 1998, capacity: 14 gallons of gasoline or diesel fuel per hour. ~~each~~.

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

- (a) **One (1)** ~~Two (2)~~ test cells for gasoline engines (with or without catalytic converter) and/or diesel fuel engines, known as C-10 ~~and C-11~~, exhausting to Stacks SC-10 ~~and SC-11~~, installed in 1998, capacity: 14 gallons of gasoline or diesel fuel per hour. ~~each.~~

D.1.1 Carbon Monoxide

The carbon monoxide (CO) emissions shall be limited as follows to make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

- (c) The total input of gasoline to engine test cells C-10 ~~and C-11~~ is limited to 50,254 gallons per consecutive twelve (12) monthly rolling period. This limitation is equivalent to a potential to emit of 99.0 tons of CO per consecutive twelve (12) monthly rolling period.

~~D.1.2 Nitrogen Oxides~~

~~The nitrogen oxides (NO_x) emissions shall be limited as follows to make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.~~

- ~~(a) The total input of diesel fuel to engine test cells C-10 and C-11 is limited to 162,473 gallons per consecutive twelve (12) monthly rolling period. This limitation is equivalent to a potential to emit of 38.1 tons of NO_x per consecutive twelve (12) monthly rolling period.~~
- ~~(b) For purposes of determining compliance based on NO_x emissions each gallon of gasoline burned with or without a catalytic converter shall be equivalent to 0.217 gallons of diesel fuel.~~

D.1.3 Prevention of Significant Deterioration [326 IAC 2-2]

- (c) Any change or modification which may increase potential emissions of NO_x to 40 tons per year from the engine test cells C-10 ~~and C-11~~ shall obtain a PSD permit pursuant to 326 IAC 2-2 before such change may occur.

D.1.5 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the CO ~~and NO_x~~ limits specified in Conditions D.1.1 ~~and D.1.2~~ shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

D.1.7 Record Keeping Requirements

The Permittee shall maintain monthly records at the source of the following values:

- (a) The volume of gasoline and/or diesel fuel used in each of the **ten (10)** ~~eleven (11)~~ engine test cells, C-1 through C-10~~+~~, and
- (b) The volume of gasoline used in each of the **ten (10)** ~~eleven (11)~~ engine test cells, C-1

through C-104, with catalytic converters in operation.

D.1.8 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.1 and ~~D.1.2~~ shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting form located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarterly period being reported.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION**

Quarterly Report

Source Name: Arvin Exhaust, OEM, Technical Center
Source Address: Road 450 South, Walesboro, Indiana 47201
Mailing Address: Road 450 South, Walesboro, Indiana 47201
C P No.: 005-9554-00080
Facility: Test Cells C-10 and C-11
Parameter: Throughput of gasoline, or equivalent fuel, equivalent to CO emissions of 99.0 tons per year.
Limit: 50,254 gallons per consecutive 12 month period
1.0 gallon of gasoline with catalytic converter = 0.100 gallons of gasoline, and
1.0 gallon of diesel fuel = 0.026 gallons of gasoline

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Gallons of Gasoline or Equivalent This Month	Gallons of Gasoline or Equivalent Previous 11 Months	Gallons of Gasoline or Equivalent 12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION**

Quarterly Report

Source Name: _____ Arvin Exhaust, OEM, Technical Center
Source Address: _____ Road 450 South, Walesboro, Indiana 47201
Mailing Address: _____ Road 450 South, Walesboro, Indiana 47201
Part 70: _____ T 005-7482-00080
Facility: _____ Test Cells C-10 and C-11
Parameter: _____ Throughput of diesel, or equivalent fuel, equivalent to NO_x emissions of 38.1
tons per year.
Limit: _____ 162,473 gallons per consecutive 12 month period
1.0 gallon of gasoline = 0.217 gallons of diesel fuel

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Gallons of Diesel Fuel or Equivalent This Month	Gallons of Diesel Fuel or Equivalent Previous 11 Months	Gallons of Diesel Fuel or Equivalent 12 Month Total

9 _____ No deviation occurred in this quarter.

9 _____ Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

All other conditions of the permit shall remain unchanged and in effect. The conditions that have been deleted are indicated as being "deleted" in the Table of Contents. Please attach a copy of this permit modification and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Frank P. Castelli, c/o OAM, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 631-691-3395 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

Attachments
FPC/MES

cc: File - Bartholomew County
U.S. EPA, Region V
Bartholomew County Health Department
Air Compliance Section Inspector - D. J. Knotts
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michele Boner

PART 70 OPERATING PERMIT and ENHANCED NEW SOURCE REVIEW OFFICE OF AIR MANAGEMENT

**Arvin Exhaust, OEM, Technical Center
Road 450 South
Walesboro, Indiana 47201**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 and 326 IAC 2-1-3.2 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T 005-7482-00080	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Management	Issuance Date: January 26, 1999

First Administrative Amendment: AT 005-11038-00080, issued on July 22, 1999

First Significant Permit Modification: SPM 005-12154-00080		Pages Affected: 5, 29, 30, 31, 42 and 43.
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:	

- C.7 Operation of Equipment [326 IAC 2-7-6(6)]
- C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61.140]

Testing Requirements [326 IAC 2-7-6(1)]

- C.9 Performance Testing [326 IAC 3-6]

Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]

- C.10 Compliance Schedule [326 IAC 2-7-6(3)]
- C.11 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]
- C.12 Monitoring Methods [326 IAC 3]

Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]

- C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]
- C.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]
- C.15 Deleted
- C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5]
[326 IAC 2-7-6]

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

- C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)]
[326 IAC 2-6]
- C.18 Monitoring Data Availability [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)]
- C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]
- C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)]

Stratospheric Ozone Protection

- C.21 Compliance with 40 CFR 82 and 326 IAC 22-1

D.1 FACILITY OPERATION CONDITIONS - Ten (10) engine test cells, C-1 through C-10

Emission Limitations and Standards [326 IAC 2-7-5(1)] [326 IAC 2-2]

- D.1.1 Carbon Monoxide (CO)
- D.1.2 Deleted
- D.1.3 Prevention of Significant Deterioration [326 IAC 2-2]
- D.1.4 Deleted

Compliance Determination Requirements

- D.1.5 Testing Requirements [326 IAC 2-7-6(1),(6)]

Compliance Monitoring Requirements

- D.1.6 Deleted

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

- D.1.7 Record Keeping Requirements
- D.1.8 Reporting Requirements

SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a stationary engine test source.

Responsible Official: Alan Brittingham
Source Address: Road 450 South, Walesboro, Indiana 47201
Mailing Address: Road 450 South, Walesboro, Indiana 47201
SIC Code: 8734
County Location: Bartholomew
County Status: Attainment for all criteria pollutants
Source Status: Part 70 Permit Program
Major Source, under PSD Rules;
Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices which do not need to be operated at all times, but only at the source's discretion::

- (a) One (1) test cell for gasoline engines (with or without catalytic converters) and/or diesel fuel engines, known as C-10, exhausting to Stack SC-10, installed in 1998, capacity: 14 gallons of gasoline or diesel fuel per hour.
- (b) Six (6) test cells for gasoline engines (with or without catalytic converters) and/or diesel fuel engines, known as C-1 through C-6, exhausting to Stacks SC-1 through SC-6, installed in August 1978.
- (c) Three (3) test cells for gasoline engines (with or without catalytic converters) and/or diesel fuel engines, known as C-7 through C-9, exhausting to Stacks SC-7 through SC-9, installed in May 1993.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour.
- (b) Machining where an aqueous cutting coolant continuously floods the machining interface.

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

- (a) One (1) test cell for gasoline engines (with or without catalytic converters) and/or diesel fuel engines, known as C-10, exhausting to Stack SC-10, installed in 1998, capacity: 14 gallons of gasoline or diesel fuel per hour, each.
- (b) Six (6) test cells for gasoline engines (with or without catalytic converters) and/or diesel fuel engines, known as C-1 through C-6, exhausting to Stacks SC-1 through SC-6, installed in August 1978.
- (c) Three (3) test cells for gasoline engines (with or without catalytic converters) and/or diesel fuel engines, known as C-7 through C-9, exhausting to Stacks SC-7 through SC-9, installed in May 1993.

Emission Limitations and Standards [326 IAC 2-7-5(1)][326 IAC 2-2]

D.1.1 Carbon Monoxide

The carbon monoxide (CO) emissions shall be limited as follows to make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

- (a) The total input of gasoline to engine test cells C-1 through C-6 is limited to 124,721 gallons per consecutive twelve (12) monthly rolling period. This limitation is equivalent to a potential to emit of 245.7 tons of CO per consecutive twelve (12) monthly rolling period.
- (b) The total input of gasoline to engine test cells C-7 through C-9 is limited to 126,396 gallons per consecutive twelve (12) monthly rolling period. This limitation is equivalent to a potential to emit of 249.0 tons of CO per consecutive twelve (12) monthly rolling period.
- (c) The total input of gasoline to engine test cell C-10 is limited to 50,254 gallons per consecutive twelve (12) monthly rolling period. This limitation is equivalent to a potential to emit of 99.0 tons of CO per consecutive twelve (12) monthly rolling period.

For purposes of determining compliance based on CO emissions each gallon of gasoline burned with a catalytic converter shall be equivalent to 0.100 gallons of gasoline and each gallon of diesel fuel burned shall be equivalent to 0.026 gallons of gasoline.

D.1.3 Prevention of Significant Deterioration [326 IAC 2-2]

- (a) Any change or modification which may increase potential emissions of CO to 250 tons per year from the engine test cells C-1 through C-6 shall obtain a PSD permit pursuant to 326 IAC 2-2 before such change may occur.
- (b) Any change or modification which may increase potential emissions of CO to 250 tons per year from the engine test cells C-7 through C-9 shall obtain a PSD permit pursuant to 326 IAC 2-2 before such change may occur.
- (c) Any change or modification which may increase potential emissions of NO_x to 40 tons per year from the engine test cell C-10 shall obtain a PSD permit pursuant to 326 IAC 2-2 before such change may occur.

Compliance Determination Requirements

D.1.5 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the CO limit specified in Condition D.1.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.7 Record Keeping Requirements

The Permittee shall maintain monthly records at the source of the following values:

- (a) The volume of gasoline and/or diesel fuel used in each of the ten (10) engine test cells, C-1 through C-10, and
- (b) The volume of gasoline used in each of the ten (10) engine test cells, C-1 through C-10, with catalytic converters in operation.

D.1.8 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting form located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarterly period being reported.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION**

Quarterly Report

Source Name: Arvin Exhaust, OEM, Technical Center
Source Address: Road 450 South, Walesboro, Indiana 47201
Mailing Address: Road 450 South, Walesboro, Indiana 47201
C P No.: 005-9554-00080
Facility: Test Cell C-10
Parameter: Throughput of gasoline, or equivalent fuel, equivalent to CO emissions of 99.0 tons per year.
Limit: 50,254 gallons per consecutive 12 month period
1.0 gallon of gasoline with catalytic converter = 0.100 gallons of gasoline, and
1.0 gallon of diesel fuel = 0.026 gallons of gasoline

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Gallons of Gasoline or Equivalent This Month	Gallons of Gasoline or Equivalent Previous 11 Months	Gallons of Gasoline or Equivalent 12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Arvin Exhaust, OEM, Technical Center
Walesboro, Indiana
Permit Reviewer: MES

First Significant Permit Modification
SPM 005-12154-00080
Amended by: MES

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OP No. T 005-7482-00080

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Indiana Department of Environmental Management Office of Air Management

Technical Support Document (TSD) for a Part 70 Significant Permit Modification

Source Background and Description

Source Name:	Arvin Exhaust, OEM, Technical Center
Source Location:	Route 450 South, Walesboro, Indiana 47201
County:	Bartholomew
SIC Code:	8734
Operation Permit No.:	T 005-7482-00080
Operation Permit Issuance Date:	January 26, 1999
Significant Permit Modification No.:	005-12154
Permit Reviewer:	Frank P. Castelli

The Office of Air Management (OAM) has reviewed a modification application from Arvin Exhaust, OEM, Technical Center relating to the request to delete all references to engine test cell C-11. This request was received on April 11, 2000 and was made because this engine test cell was never constructed. In addition, a change in the name of the responsible official has been requested.

History

Arvin Exhaust, OEM, Technical Center was issued a Part 70 permit on January 26, 1999. On June 8, 1998, CP 005-9554-00080 was issued for test cells C-10 and C-11. The potential emissions of NO_x and CO from these two (2) test cells exceeded the PSD significant levels so fuel limits were specified in CP 005-9554-00080 in order to avoid PSD review. Engine test cell C-11 was never constructed. The constructed test cell, C-10, and the two (2) space heaters permitted under CP 005-9554-00080, issued in 1998 now have a potential to emit as follows:

Pollutant	Potential Emissions (tons/yr)
Particulate Matter (PM)	2.16
Particulate Matter (PM ₁₀)	2.07
Sulfur Dioxide (SO ₂)	1.92
Volatile Organic Compounds (VOC)	9.15
Carbon Monoxide (CO)	241.7
Nitrogen Oxides (NO _x)	29.6

Since the potential to emit NO_x is no longer greater than the PSD significant level of forty (40) tons per year, the diesel fuel limit in Condition D.1.2 is no longer necessary. However, the CO limit in Condition D.1.1 is still required since the potential CO emissions exceed one hundred (100) tons per year. Therefore, the Part 70 Operating Permit has been modified through a Significant Permit Modification pursuant to 327 IAC 2-7-12(d).

If in the future another test cell, similar to C-10 and C-11, is proposed to be constructed, the OAM will evaluate the potential emissions from the proposed test cell with the constructed test cell C-10 to insure that the PSD significant levels are not exceeded for the combination of C-10 and the proposed test cell.

Proposed Changes

The permit language is changed to read as follows (deleted language appears as ~~strikeouts~~, new language appears in **bold**):

1. The name of the responsible official has been changed in Condition A.1 as follows:

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a stationary engine test source.

Responsible Official: **Alan Brittingham** ~~James W. Angel~~

2. Condition A.2(a), Section D.1 and Conditions D.1.1(c), D.1.3(c), D.1.5, D.1.7 (a) and (b), D.1.8 as well as the Quarterly Report forms have been revised as follows to delete engine test cell, known as C-11. Condition D.1.2 and the associated Quarterly Report Form have been deleted.

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]
[326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices which do not need to be operated at all times, but only at the source's discretion:

- (a) **One (1)** ~~Two (2)~~ test cells for gasoline engines (with or without catalytic converter) and/or diesel fuel engines, known as C-10 ~~and C-11~~, exhausting to Stacks 3728 AND 3724-10 ~~and 3728 AND 3724-11~~, installed in 1998, capacity: 14 gallons of gasoline or diesel fuel per hour. ~~each~~.

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

- | |
|---|
| <ol style="list-style-type: none">(a) One (1) Two (2) test cells for gasoline engines (with or without catalytic converter) and/or diesel fuel engines, known as C-10 and C-11, exhausting to Stacks 3728 AND 3724-10 and 3728 AND 3724-11, installed in 1998, capacity: 14 gallons of gasoline or diesel fuel per hour. each. |
|---|

D.1.1 Carbon Monoxide

The carbon monoxide (CO) emissions shall be limited as follows to make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

- (c) The total input of gasoline to engine test cells C-10 ~~and C-11~~ is limited to 50,254 gallons per consecutive twelve (12) monthly rolling period. This limitation is equivalent to a potential to emit of 99.0 tons of CO per consecutive twelve (12) monthly rolling period.

D.1.2 Nitrogen Oxides

The nitrogen oxides (NO_x) emissions shall be limited as follows to make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable:

- (a) The total input of diesel fuel to engine test cells C-10 and C-11 is limited to 162,473 gallons per consecutive twelve (12) monthly rolling period. This limitation is equivalent to a potential to emit of 38.1 tons of NO_x per consecutive twelve (12) monthly rolling period.
- (b) For purposes of determining compliance based on NO_x emissions each gallon of gasoline burned with or without a catalytic converter shall be equivalent to 0.247 gallons of diesel fuel.

D.1.3 Prevention of Significant Deterioration [326 IAC 2-2]

- (c) Any change or modification which may increase potential emissions of NO_x to 40 tons per year from the engine test cells C-10 and C-11 shall obtain a PSD permit pursuant to 326 IAC 2-2 before such change may occur.

D.1.5 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the CO and NO_x limits specified in Conditions D.1.1 and D.1.2 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

D.1.7 Record Keeping Requirements

The Permittee shall maintain monthly records at the source of the following values:

- (a) The volume of gasoline and/or diesel fuel used in each of the ~~ten (10)~~ **eleven (11)** engine test cells, C-1 through C-~~10~~**11**, and
- (b) The volume of gasoline used in each of the ~~ten (10)~~ **eleven (11)** engine test cells, C-1 through C-~~10~~**11**, with catalytic converters in operation.

D.1.8 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.1 and D.1.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting form located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarterly period being reported.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION**

Quarterly Report

Source Name: Arvin Exhaust, OEM, Technical Center
Source Address: Road 450 South, Walesboro, Indiana 47201
Mailing Address: Road 450 South, Walesboro, Indiana 47201
C.P.: 005-9554-00080
Facility: Test Cells C-10 and C-11
Parameter: Throughput of gasoline, or equivalent fuel, equivalent to CO emissions of 99.0 tons per year.
Limit: 50,254 gallons per consecutive 12 month period
1.0 gallon of gasoline with catalytic converter = 0.100 gallons of gasoline, and
1.0 gallon of diesel fuel = 0.026 gallons of gasoline

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Gallons of Gasoline or Equivalent This Month	Gallons of Gasoline or Equivalent Previous 11 Months	Gallons of Gasoline or Equivalent 12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION

Quarterly Report

Source Name: _____ Arvin Exhaust, OEM, Technical Center
Source Address: _____ Road 450 South, Walesboro, Indiana 47201
Mailing Address: _____ Road 450 South, Walesboro, Indiana 47201
Part 70: _____ T 005-7482-00080
Facility: _____ Test Cells C-10 and C-11
Parameter: _____ Throughput of diesel, or equivalent fuel, equivalent to NO_x emissions of 38.4
tons per year.
Limit: _____ 162,473 gallons per consecutive 12 month period
1.0 gallon of gasoline = 0.217 gallons of diesel fuel

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Gallons of Diesel Fuel or Equivalent This Month	Gallons of Diesel Fuel or Equivalent Previous 11 Months	Gallons of Diesel Fuel or Equivalent 12 Month Total

9 _____ No deviation occurred in this quarter.

9 _____ Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Conclusion

The operation of this stationary engine test source shall be subject to the conditions of the attached proposed Part 70 Significant Permit Modification No. 005-12154-00080.